WHAT IS CLAIMED IS:

1. A recycled ABS resin obtained by recycling an ABS resin formed into parts by injection molding of a virgin material thereof and used mainly in electric and electronic equipments.

2. The recycled ABS resin according to Claim 1, wherein the Izod impact strength of the recycled ABS resin is at least 0.8 times as much as the Izod impact strength of the virgin material thereof, and the melt flow rate of the recycled ABS resin is at most 1.2 times as much as the melt flow rate of the virgin material thereof.

3. The recycled ABS resin according to Claim 1, wherein a color difference (ΔEab^*) between the recycled ABS resin and the virgin material is smaller than 1.0.

4. The recycled ABS resin according to Claim 1, wherein neither a flame retardant nor a reinforcing material is filled into the parts.

5. The recycled ABS resin according to Claim 1, which is obtained by a recycling process comprising the step of grinding the parts while conducting screening by means of a screen having a

mesh of 4 to 10 mm.

6. The recycled ABS resin according to Claim 5, which is obtained by the recycling process comprising the step of washing 1 part by mass of the ground material with at least 10 parts by mass of water.

7. The recycled ABS resin according to Claim 6, which is obtained by the recycling process comprising a drying step by means of a centrifugal dehydratation system to reduce a water content to at most 0.3 % by mass.

8. The recycled ABS resin according to Claim 7, which is obtained by the recycling process comprising the step of removing low-density products having a bulk density lower by at least 0.5 than the bulk density of the recycled ABS resin by air classification.

9. The recycled ABS resin according to Claim 8, which is obtained by the recycling process comprising the step of removing high-density products having a true density higher by at least 0.5 than the true density of the recycled ABS resin by gravity separation.

10. The recycled ABS resin according to Claim 9, which is obtained by the recycling process comprising the step of removing metals by means of a magnet having a residual magnetic flux density of at least 1 tesla.

11. The recycled ABS resin according to Claim 10, which is obtained by the recycling process comprising the step of removing metals by means of a metal detecting and removing device.

12. A recycled ABS alloy resin comprising the recycled ABS resin according to Claim 1 and at least one resin selected from the group consisting of PC, PVC and PBT.

13. The recycled ABS alloy resin according to Claim 12, which is obtained by a process comprising the steps of:

fully blending the recycled ABS resin according to Claim 1 with at least one resin selected from the group consisting of PC, PVC and PBT;

melt-mixing the blend; and

pelletizing the melt mixture.

14. A process for producing a recycled ABS

alloy resin, which comprises the steps of:

(i) blending a recycled ABS resin with at least one resin selected from the group consisting of PC, PVC and PBT;

(ii) melt-mixing the blend resulting from the step (i); and

(iii) pelletizing the melt mixture resulting from the step (ii)

wherein the recycled ABS resin used in the step (i) is obtained through the steps of:

(1) grinding an ABS resin molded product and screening the ground resin by a screen having a mesh of 4 to 10 mm to obtain a ground product;

(2) washing the ground product resulting from the step (1) with water in a proportion of at least 10 parts by mass per 1 part by mass of the ground product; and

(3) drying the water-washed ground product resulting from the step (2) to a water content of at most 0.3 % by mass.

15. The process according to Claim 14, which further comprises the step of removing low-density products having a bulk density lower by at least 0.5 than the bulk density of the recycled ABS resin by air classification as a step (4).

16. The process according to Claim 15, wherein the step (4) is conducted after the step (3).

17. The process according to Claim 14, which further comprises the step of removing high-density product having a true density higher by at least 0.5 than the true density of the recycled ABS resin by gravity separation as a step (5).

18. The process according to Claim 17, wherein the step (5) is conducted at the same time as the step (2).

19. The process according to Claim 14, which further comprises the step of removing metals by means of a magnet having a residual magnetic flux density of at least 1 tesla as a step (6).

20. The process according to Claim 19, wherein the step (6) is conducted after the step (3).

21. The process according to Claim 14, which further comprises the step of removing metals by means of a metal detecting and removing device as a step (7).

22. The process according to Claim 21, wherein the step (7) is conducted after the step (3).

23. The process according to Claim 14, wherein the Izod impact strength of the recycled ABS resin is at least 0.8 times as much as the Izod impact strength of the virgin ABS resin.

24. The process according to Claim 14, wherein the melt flow rate of the recycled ABS resin is at most 1.2 times as much as the melt flow rate of the virgin ABS resin.

25. The process according to Claim 14, wherein a color difference (ΔEab^*) between the recycled ABS resin and the virgin ABS resin is smaller than 1.0.